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ATS JS-09

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BISI 5548

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a Spark Discharge in an Argon Atmosphere, by
T. Kawaguchi, T. Kato, et al.
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on the Physicochemical Properties of Vanadium
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p. 351-356.

DESCRIPTORS: *Polymers, Behavior, Glass,
Temperature.

(Chemistry--Organic, TT, v. 7, no. 10)

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I. Kawaguchi, T.
II. ATS-92N56]
III. Associated Technical
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Office of Technical Services

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The Theory on the Turbulent Boundary Layer and Its
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Ltd., public announcement 29 Aug 58, provisional no.
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A method is given for electrodepositing gold-nickel
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nide and alkali nickel cyanide, of which gold and
nickel are in the ratio of above 1:5.

- I. Gold plating
- I. Kawai, A.
- II. Patent (Japan) pub. 33-7514

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Order from BSRA: L5 as BSRA-2054

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Static Iron Bath, Study of Deoxidation -II,
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July 63

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Aug 67

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Paraffins. Part 3. Separation of the Alcohol
Mixture From the Oxidation Product and Frac-
tional Distillation. Part 4. Alcohol Mixture
Separated From the Oxidation Product of
Paraffin Treated With Ethanol, by S. Kawai,
H. Nishiori.

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ATB-4771

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S. Kawai, H. Hoberi.
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Acid and Fatty Acids in Place of Deric Acid.
Part 6. Catalytic Decomposition of the Oxide-
Rich Product, by H. Dober, S. Ebert.
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izawaite, a new Mineral Found Near Ish-
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Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 2, p. 249-252.

DESCRIPTORS: *Polyethylene plastics, *Acrylic
resins, *Propene, *Acrylonitrile, Copolymerization.

(Materials-Plastics, TT, v. 10, no. 9)

63-22153

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W. ATS-940697
W. Associated Technical
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West Orange, N. J.

JL40580

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REACTION OF PHENOL AND BUTADIENE UNDER
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- I. Kawai, W.
- II. Tsutsumi, S.
- III. SA Code-G303
- IV. Seizaburo Aoki (Japan)

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DESCRIPTORS: *Phenols, *Pentadienes, Chemical re-
actions, Oxygen, Pressure, *Phenoxy radicals, Poly-
merization, Inhibition.

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SLA 60-10802

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LYZED BY N-BUTYLLITHIUM AND BORONTRI-
FLUORIDE ETHERATE. [1961] 7p. 11 refs.
Order from RIS \$15.00 RIS C-134

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Polymerization
2. Lithium compounds
(Organic)--Catalytic
properties
3. Boron fluorides--Catalytic
properties
1. Kawai, W.
- II. Tsutsumi, S.
- III. RIS C-134
- IV. Research Information
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Microanalytic study on vacuum reaction of
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tute of Mineral Dressing and Metallurgy,
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THE SYNTHESIS OF α -CHLOROGLUTARIC ACID
FROM 3-CHLOROPENTENE. [1963] 7p.
Order from QTS or SLA \$1.10

63-16123

Trans. of published Japanese patent 1958-3525, 16-B-64
issued 9 May 58, appl. no. 1955-15662, 9 June 55, by
Sanko Corp.

DESCRIPTORS: *Glutaric acids, *Chlorides, *Pentenes,
Ozonides, Oxidation, Synthesis (Chemistry).

The patent describes the ozonization of 3-chlorocyclo-
pentene to obtain 3-chlorocyclopentene ozonide and the
opening of this ozonide ring in acidic aqueous solutions,
below 40°C, with mild oxidation to obtain the final pro-
duct, α -chloroglutaric acid. (Author)

(Chemistry--Organic, TT, v. 10, no. 8)

63-16123

1. Title: α -Chloroglutaric
acid
2. Title: 3-Chloropentene
- I. Kawai, Y.
- II. Patent (Japan)
pub. 35-3 525

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OF Low-Nitrogen Rimmed Steel at the
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AB 6175

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Sci/10411
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J/PMESSE, per. Tetsu to Haryu, Vol 50,
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Sci/MGN
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The Japan-United States-Canada Fisheries Treaty
and the Japan-Soviet Fisheries Treaty, by
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ID D12023944
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Manufacture of single crystals of pure silicon

Japan. Pat. Appl. 10,765 (Dec. 26, 1958)

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First Report: Calculation of the Soret Coefficient,
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Scientific - Minerals/Metals

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Preparation of Sodium oxide in Liquid Ammonia
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SLA TT-6510254

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T-1420

Sci - Chem
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SIA TT-62-14473

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JAPANESE, per, Nagoya, Vol VIII, No 11, 1959,
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SLA TT-65-10253

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Sci - Chem
Aug 61

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Interaction Between Antibacterial Substances, by Yasuo
Iwakami, Takashi Adachi and Teutomu Tada, 7 pp.

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CIA/FDD X-665

Scientific - Chemistry, bacteriology, Medicine

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A-6011

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JAPANESE, per, Nippon Kinzoku, Vol 21,
Feb 1957, pp 96-99
NISI 4965

T. Kawakita

Sol - Mechanical, Industrial,
Civil, and Marine Engineering
Dec 66

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On the Finishing of Blade Edges by Electro-
lytic Polishing, by T. Kawakita.
JAPANESE, FOR, Nippon Kinzoku, Vol 21, No 2,
1957, pp 96-99.
DISI 4965

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Sci-M&M
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Hasegawa, Syoito Kawakubo, 11 pp.

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pp 332-335.

SIA 59-10927

Sci - Engr
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Contribution to the Problem of Flow at High Speed,
by C. Schmieden, K. H. Kawalli

GERMAN, Lilienthal-Gesellschaft für Luftfahrt-
forschung Bericht 813/1, 40-68, 1942.

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Scientific - Aeronautics

CTS/DHX

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The Calculation of Compressible Flows With Local
Regions of Supersonic Velocity, by B. Gothert, K. H.
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ROERMAN, per, Forschungs-Bericht, No 1704, Aug 1943.

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REUR - Poland

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Kawamatsu, Syunji and Harada, Minoru.
INHIBITION EFFECT OF PHENYL- β -NAPHTHYL-
AMINE ON THE OXIDATION OF POLYETHYLENE.
Rept. no. 2 of Studies on the Oxidation of High Poly-
mers. [1961] [12]p. 9 refs.
Order from SLA \$1.60

61-16572

Trans. of Kobunshi Kagaku (Japan) 1956, v. 13,
p. 491-495.

DESCRIPTORS: *Ethylenes, *Polymers, Oxidation.
*Oxidation inhibitors, *Amines, Naphthyl radicals,
Phenyl radicals.

The inhibiting effect of phenyl-beta-naphthylamine, as
oxidation inhibitor for polyethylene, was measured
from the rate of oxygen absorption and induction period,
using the tungsten spring balance. Under an oxygen
pressure of 207 mm Hg and at 116°C the induction
period increased in more or less logarithmic propor-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16572

I. Kawamatsu, S.
II. Harada, M.
III. Title: Studies

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Kawamoto, Masumi and Kato, Seichi.
A PROCESS FOR THE CONTINUOUS PRODUCTION
OF AMMONIUM NITRATE OF LOW APPARENT SPECIFIC
GRAVITY. July 62, 11p. (Sigs. omitted).
Order from SA \$19.00 SA Code-P-137

Trans. of published Japanese patent 8262/1962,
cl. 13-L-222 (29-C-1) appl. no. 8268/1960 filed
16 Mar 1960, pub. 14 July 62, by Mitsubishi Kasei
Kogyo Co., Ltd.

DESCRIPTORS: *Explosive materials, *Ammonium
compounds, *Nitrates, Production, Density, Driers
(Apparatus), *Vacuum apparatus, *Nomenclature, Design

(Engineering--Chemical, TT, v. 10, no. 7)

63-17921

- I. Kawamoto, M.
- II. Kato, S.
- III. Patent (Japan) pub. 37-8 262
- IV. SA Code-P-137
- V. Sakumuro Acid (Japan)

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Kawamura, Akira and Okamura, Hiroshi.

QUANTITATIVE ANALYSIS, Rept. no. 3 on Analysis of Chromium Complex Ions by Electrochromatography.

[1961] [17]p. 3 refs.

Order from SLA \$1.60

61-16769

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 2/3] p. 167-171.

DESCRIPTORS: *Complex ions, Chromium,
*Electrochromatography, Quantitative analysis.

(Chemistry--Analytical, TT, v. 6, no. 5)

61-16769

I. Kawamura, A.

II. Okamura, H.

III. Title: Analysis ...

Office of Technical Services

Kawamura, Akira and Okamura, Hiroshi.
QUALITATIVE ANALYSIS, PT. 2. Rept. no. 2 on
Analysis of Chromium Complex Ions by Electrochroma-
tography. [1961] [17]p. 4 refs.
Order from SLA \$1.60

61-16768

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 2/3]
p. 163-166.

DESCRIPTORS: *Complex ions, Chromium, *Electro-
chromatography, Chemical analysis.

The charge-distribution analysis method for chromium
complex ions by electrochromatography, established
with chromium oxalate, was seen to be applicable as
well to chromium containing SO_4^{-2} , SCN^- , and NH_3 in
the nucleus, and to cases where alkali is added or when
heated. This method was next applied to chromium
perchlorate solutions treated with various types of neu-
tral salts and to solutions of a bichromate reduced with
(Chemistry--Analytical, TT, v. 6, no. 5) (over)

61-16768

I. Kawamura, A.
II. Okamura, H.
III. Title: Analysis ...

Office of Technical Services

Kawamura, Akira, Okamura, Hiroshi, and Kaneko,
Naonori.

QUALITATIVE ANALYSIS, PT. 1. Rept. no. 1 on
Analysis of Chromium Complex Ions by Electrochroma-
tography. [1961] [23]p. 17 refs.
Order from SLA \$2.60

61-16767

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 1]
p. 158-162.

DESCRIPTORS: *Complex ions, Chromium, *Electro-
chemistry, Chemical analysis.

Electrochromatography was used with the objective of
mutually separating complex ions of the same metal
with two or more different electric charges. In this in-
stance, various chromium oxalate complex compounds
of known charges were synthesized, and changes and
shiftings on the filter paper during electric conduction
were observed. It was found as a result that chromium
complex ions do not decompose but that both negative
(Chemistry--Analytical, TT, v. 6, no. 5)

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Various conditions were studied for obtaining high unit receptor destroying enzyme (RDE) from cultures of 4Z strain of V. cholerae. The RDE-producing capacity in order of magnitude was S type, SR type and R type. The strength of the RDE production of S type was more (Biological Sciences--Microbiology, TT, v. 8, no. 3)

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DESCRIPTORS: Synthesis (Chemistry), *Guandinea,
*Urethanes, *Alkyl radicals, *Chlorides, Cyanamides,
Urea, Hydrochloric acid, Alcohols, Addition reactions.

Guanyl-o-alkylisourea hydrochlorides (R, CH₃ and
C₂H₅) were newly synthesized by addition reaction of
dicyandiamide and alcohol in the presence of dry hydro-
chloric acid at room temperature. When conducted at
a relatively high temperature in the presence of a con-
centrated acid, this reaction proceeded further and
guanylurea hydrochloride and [the corresponding] alkyl
(Chemistry--Organic, TT, v. 10, no. 6) (over)

62-18037

1. Title: Guanyl-o-alkyl-
soureas
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